page template

```
<!doctype html>
<html>
 <head>
  <meta charset="utf-8">
  <title> PAGE TITLE </title>
 <head>
 <body>
  PAGE CONTENT
  <!-- comment -->
 </body>
</html>
```

HTML tag structure

```
<tag-name attribute="value">
  …
</tag-name>
```

common HTML tags

<p> - paragraph (text)
<h1>, … **<h6>** - headings
<img> - images
<a> - links
<ul> - unordered list
<li> - list item
<button> - button
<div> - all-purpose container

useful HTML attributes

id - identifier
class - label, class
src - source URL (used in <img>)
href - link address (used in <a>)

Javascript operations

var a = b; - create variable a with value b
a = b; - assign value b to a
function (arguments) { … } - create a function
a.b(); - call function b on a

useful elements of js

```
document
document.body
element.className
getElementById("id-name")
addEventListener(event,function)
```

adding js to HTML

```
<script>
 JAVASCRIPT CODE
</script>
```

```
<script src="js_file_location">
 </script>
```

CSS rules

```
selector {
  attribute: value;
  …
  attribute: value;
}
```

units

1% - relative to the size of a container
1em - relative to the font size
1px - absolute, one pixel

adding CSS to HTML

```
<element style="attribute: value">
```

```
<style>
 CSS RULES
</style>
```

```
<link rel="stylesheet"
     href="css_file_location">
```

CSS selectors

tag-name {...} - every <tag-name>
.class-name {...} - every element with class="class-name"
#id-name{...} - element with id="id-name"
a b {...} - every element b that is contained in element a

text attributes

color - color of text
text-align: left | right | center | justify
font-size - size of text
font-family: serif | sans-serif | font-name

other attributes

border: width style color
margin: top right bottom left
padding: top right bottom left
width
height
background-color
float: left | right | none

web development cheatsheet